

Agency: Commerce, Community and Economic Development**Grants to Municipalities (AS 37.05.315)****Grant Recipient: Gustavus****Project Title:**

Gustavus - Ten Foot Oval Culvert at Wilson Road/State Gravel Pit Crossing

State Funding Requested: \$ 61,808**House District: 5 - C**

One-Time Need

Brief Project Description:

Excavate adequate channels from the gravel pits, with crossings, to concentrate and convey runoff away from the gravel pits; and to install a 10 ft. oval culvert where the runoff would pass into existing drainage ditches down gradient from the road to eliminate flooding on Wilson Road.

Funding Plan:**Total Cost of Project: \$61,808**Funding Secured

Amount FY

Other Pending Requests

Amount FY

Anticipated Future Need

Amount FY

There is no other funding needed

Detailed Project Description and Justification:

Wilson Road is a principal roadway maintained by the City of Gustavus. Its 6 mile length connects the center of town to several neighborhoods and businesses, including our electric utility, and it is the only thoroughfare through the entire eastern sector of Gustavus, providing essential access for residents and businesses and delivery of City services such as fire and emergency response. The State of Alaska currently leases a gravel pit at Mile 2.1 of the road. These pits, which produce a sand-rich pit run aggregate, are a great benefit to the community, providing material necessary for roads construction and maintenance, as well as aggregate for concrete. The City is currently working with DNR to open up more area for gravel extraction, as the current pits are becoming exhausted.

However, these gravel pits also present serious problems for Wilson Road. The gravel pits, which lie north and up-drainage of the road, now comprise a number of large and ever expanding ponds, as the water table in Gustavus is quite shallow and any hole more than a few feet deep invariably fills with water. These large ponds serve as catchments for rainfall and runoff from the surrounding wetlands, but when they reach capacity there is no place for the water to run but down gradient toward the road. A shallow drainage channel extends from the ponds to two 36 inch culverts under the road, but they are inadequate to handle substantial runoff, and invariably there are several events each year when a sheet-wash torrent spreads over the road, extending as much as a mile along Wilson Road. The road can become impassable for periods of up to several days, severing access for residents to reach work, school and commerce, and precluding the City from providing essential emergency services. When the water subsides there is always significant damage to the roadway which the City must repair at considerable expense.

This project developed by the Road Committee will be coordinated with the DOT cleaning of the airport ditch in the near future. The City Council of Gustavus gives this proposal the HIGHEST priority with a letter of support from Mayor Klawunder on behalf of the City of Gustavus.

Project Timeline:

Start as soon as funds available. Project completion with in two months.

Entity Responsible for the Ongoing Operation and Maintenance of this Project:

City of Gustavus

Grant Recipient Contact Information:

Contact Name: Mayor Ken Klawunder

Phone Number: 907-697-2451

Address: P.O. Box 1, Gustavus, AK, 99826

Email: citycouncil3@gustavus-ak.gov

Has this project been through a public review process at the local level and is it a community priority? ☒ Yes ☐ No

Gustavus
District 5**Kimberly Clark**

From: Nancy Barnes
Sent: Friday, January 11, 2008 1:53 PM
To: Kimberly Clark
Subject: FW: Proposals for the CIP list from the City of Gustavus
Attachments: CIP letter to Senator Kookesh.doc; CIP Install Ten Foot Oval Culvert at Wilson road - December 2007; The new Siding Project CIP Proposal

For the CIP book and Gustavus file.

From: Ken Klawunder [mailto:CityCouncil3@gustavus-ak.gov]
Sent: Friday, January 11, 2008 10:35 AM
To: Nancy Barnes
Cc: Kapryce Manchester
Subject: Proposals for the CIP list from the City of Gustavus

Hi Nancy,
Please find attached the two CIP proposals for the City of Gustavus. These proposals were passed and given a ranking by the City Council of Gustavus last evening during the regular city council meeting, January 10th, 2008.

Ken Klawunder, Mayor

1/14/2008



City of Gustavus
P.O. Box 1
Gustavus, AK 99826
Phone: (907) 697-2451

January 14th, 2008

RECEIVED

JAN 15 2008

To: Senator Albert Kookesh
State Capital Rm. 11
Juneau, Alaska 99801-1182

Sen. Kookesh's Office

Dear Senator Kookesh and Staff,

The City of Gustavus has only two proposals for the Capital Improvement Project List for this session but both are important to the community. We have submitted these proposals in past years because of their importance and now wish to resubmit each.

The over flow of water from the Salmon River during heavy rainfall times in the spring and fall of the year require vast amounts of water to flow beneath Wilson Road through four each three foot diameter culverts. The small culverts and the restrictions to water flow in the airport ditch result in a damming action which ultimately forces water over the roadway and consequently cuts off travel to all residents of the Rink Creek area. The proposal titled, 'Install Ten Foot Oval Culvert at Wilson Road/State Gravel Pit Crossing, Gustavus' should alleviate the problem. This proposal has budgeted funds for engineering to determine the proper depth of the culvert and to determine if a ten foot culvert is in fact the best solution for this situation. This project developed by the Road Committee will be coordinated with the DOT cleaning of the airport ditch in the near future. The City Council of Gustavus gives this proposal the **HIGHEST** priority.

The Gustavus Volunteer Fire Department was expanded several years ago to meet future fire equipment housing and safety requirements. Since that expansion siding removed from the structure has not been replaced and though the interior of the fire hall is clean, neat and well maintained, the exterior appears neglected. The City Council has put forth this proposal in past years but it has not been funded. The city desires to also have this project funded during this legislative session as a **HIGH** priority.

Please find attached the two proposals for the CIP list described above. The community of Gustavus appreciates your continued support.

Sincerely



Ken Klawunder - Mayor

Install Ten Foot Oval Culvert at Wilson road/State Gravel Pit Crossing, Gustavus

Purpose and Need

Wilson Road is a principal roadway maintained by the City of Gustavus. Its 6 mile length connects the center of town to several neighborhoods and businesses, including our electric utility, and it is the only thoroughfare through the entire eastern sector of Gustavus, providing essential access for residents and businesses and delivery of City services such as fire and emergency response. The State of Alaska currently leases a gravel pit at Mile 2.1 of the road. These pits, which produce a sand-rich pit run aggregate, are a great benefit to the community, providing material necessary for roads construction and maintenance, as well as aggregate for concrete. The City is currently working with DNR to open up more area for gravel extraction, as the current pits are becoming exhausted.

However, these gravel pits also present serious problems for Wilson Road. The gravel pits, which lie north and up-drainage of the road, now comprise a number of large and ever expanding ponds, as the water table in Gustavus is quite shallow and any hole more than a few feet deep invariably fills with water. These large ponds serve as catchments for rainfall and runoff from the surrounding wetlands, but when they reach capacity there is no place for the water to run but down gradient toward the road. A shallow drainage channel extends from the ponds to two 36 inch culverts under the road, but they are inadequate to handle substantial runoff, and invariably there are several events each year when a sheet-wash torrent spreads over the road, extending as much as a mile along Wilson Road. The road can become impassable for periods of up to several days, severing access for residents to reach work, school and commerce, and precluding the City from providing essential emergency services. When the water subsides there is always significant damage to the roadway which the City must repair at considerable expense.

Request

The City of Gustavus is asking the Alaska State Legislature for assistance in providing funds necessary to excavate adequate channels from the gravel pits, with crossings, to concentrate and convey runoff away from the gravel pits; and to install a 10 foot oval culvert where the runoff would pass into existing drainage ditches down gradient from the road. The roadbed will then be constructed on top of the culvert. This channeling and culvert will eliminate flooding on Wilson Road, enhance access to the State Gravel Pits and provide essential services to the residents of Gustavus.

Location

The project will be located at Mile 2.1 of Wilson Road where the road crosses the Gravel Pit drainage. When channel work and culvert and road construction the area to be impacted will be less than ¼ acre. Most of the work will take place within the dedicated City right-of-way, with some channel work and crossings work done on DNR land at the Gravel Pits.

Plans

Improvement to Wilson/Rink Creek Road was identified as a priority in the Gustavus Strategic Plan. The City of Gustavus passed Resolution No. 2004-05, *A Resolution of the City of Gustavus in Support of a Proposal to Improve Wilson/Rink Creek Road in Gustavus*, and has submitted

two proposals that was included in previous 2006-2008 STIP Plans and once as a CIP proposal in 2007.

Business Plan

The City of Gustavus will solicit bids from an engineering firm to design a drainage, culvert and road plan and prepare a scope of work statement. Based on this package the City of Gustavus will prepare a request-for-quotes and solicit bids from responsible contractors to do all necessary earth work and install a 10 foot oval culvert. The City of Gustavus will be the owner of the culvert when completed, and will be responsible for all maintenance and upkeep.

Budget

Category

Mobilization	Freight, equipment	\$ 5,000
Aggregate Material/road construction	220 cu. yd., \$14 placed & Spread, 1/10 mi.	\$ 2,800
10 foot Oval Culvert & collar	40 feet long	\$14,745 est.
Installation of culvert and concrete bulkheads		\$25,000 est.
Sub-Total		\$47,545 est
Engineering fees 15%? 30%?		\$ 7,131 (15%)
		\$14,263 (30%)
Project Total		\$54,677 (15%)
		\$61,808 (30%)